

## ABSTRACT OF THE DISCLOSURE

A method is described for determining a rotation speed and a rotation direction of a component (2), in particular a transmission output shaft, with a sensor device (1). In the sensor device (1), as a function of a rotation speed and direction of the component (2), a first sensor signal and a second sensor signal are generated, which are phase shifted relative to one another and each of which, on reaching an upper switching threshold or a lower switching threshold in the sensor device (1), triggers a switching signal. When there are alternating, consecutive switching signals of the two sensor signals, the sensor device (1) emits a pulse signal as a function of which a variation of a sensor signal is generated, which is used to determine a rotation speed of the component (2). After a rotation direction reversal of the component (2) a pulse signal of the sensor device (1) is only generated after sensing a rotation movement of the component (2), this rotation movement of the component (2) being sensed when, in alternation, a switching signal of one sensor signal is followed by a switching signal of the other sensor signal.